FIG. 1A

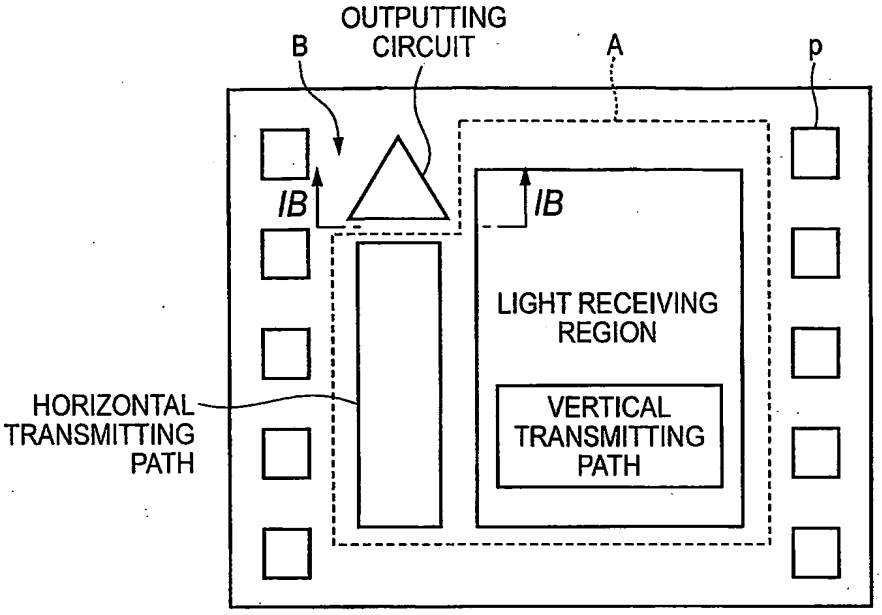
OUTPUTTING CIRCUIT
B
A
p
IB
IB
LIGHT RECEIVING REGION
VERTICAL TRANSMITTING PATH
HORIZONTAL TRANSMITTING PATH

FIG. 1B

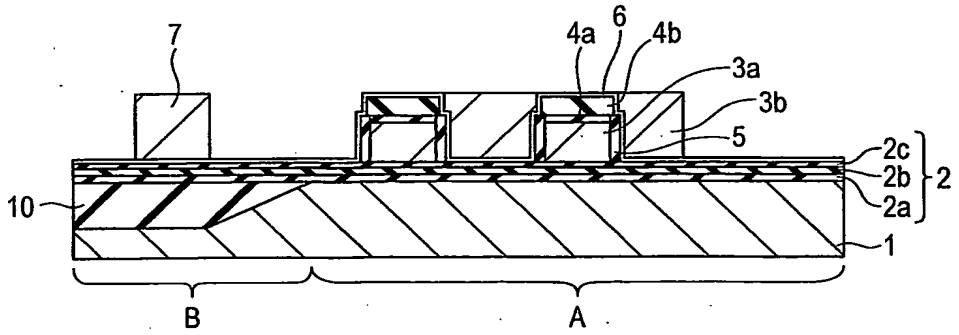
7
4a
6
4b
3a
3b
5
2c
2b
2a
2
10
1
B
A

FIG. 2A

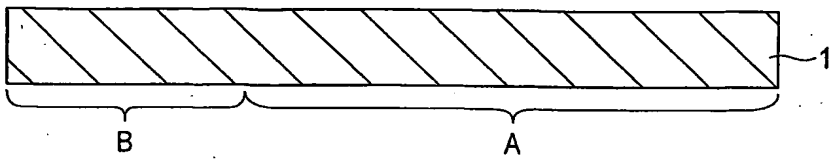

FIG. 2B

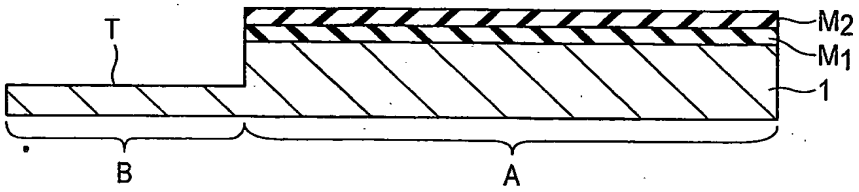

FIG. 2C

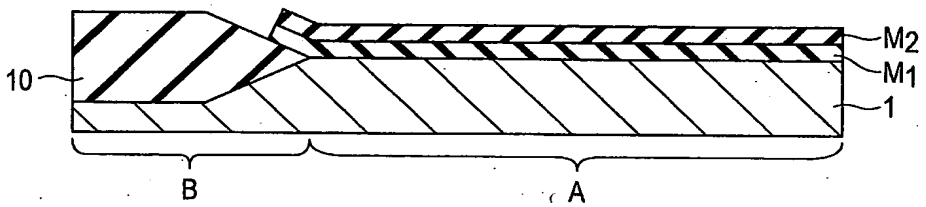

FIG. 2D

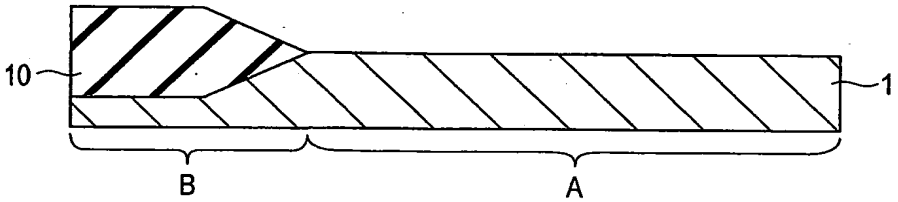

FIG. 2E

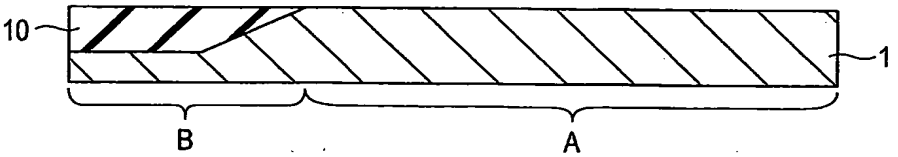

FIG. 3A

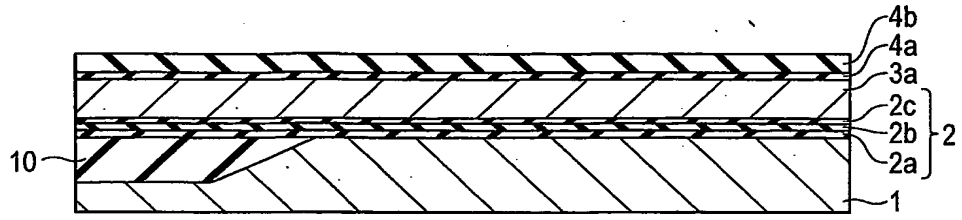

FIG. 3B

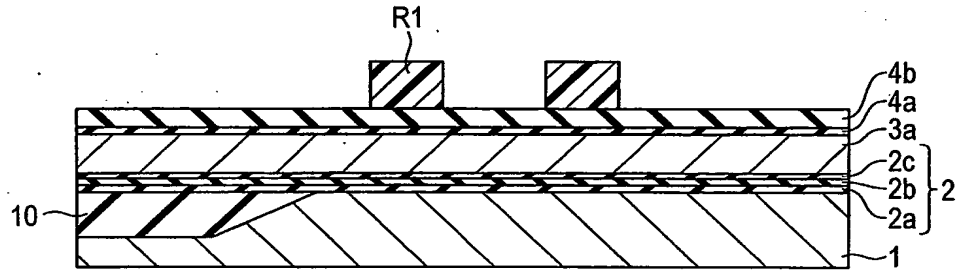

FIG. 3C

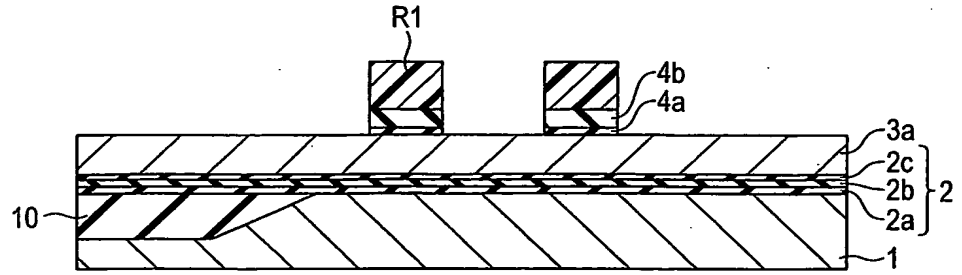

FIG. 4D

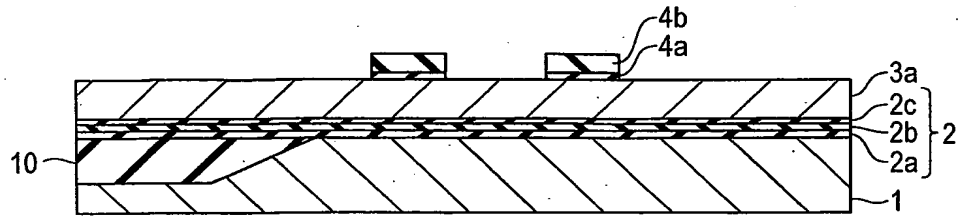

FIG. 4E

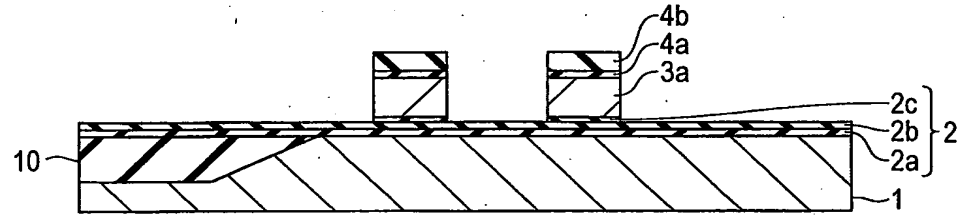

FIG. 4F

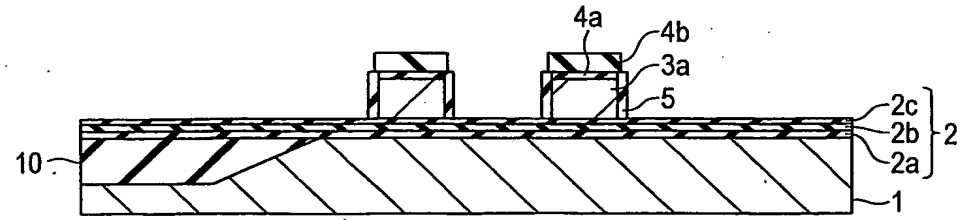

FIG. 5G

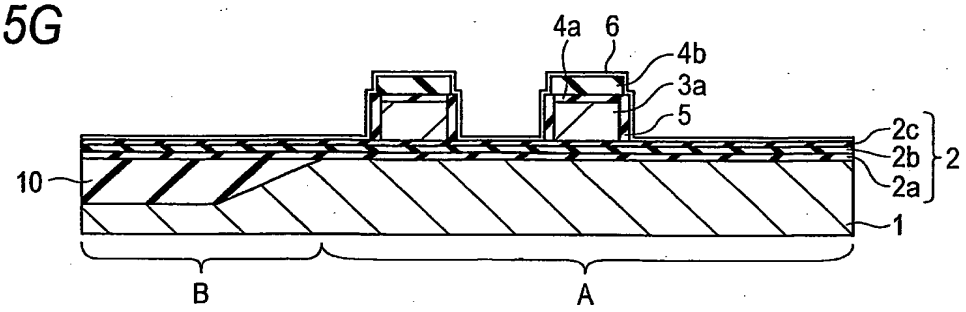

FIG. 5H

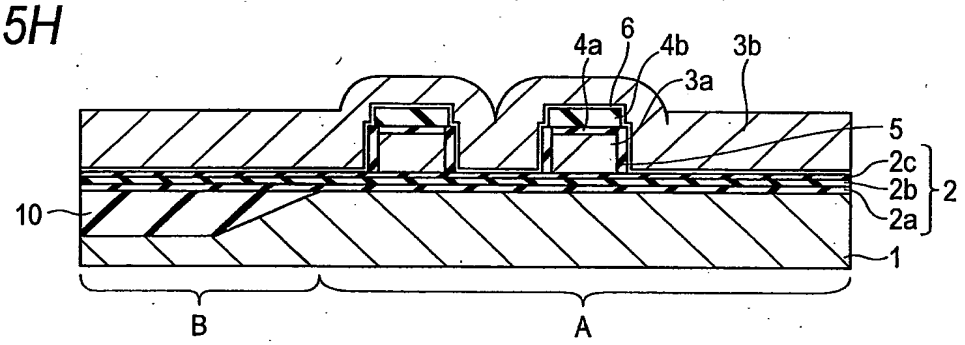

FIG. 5I

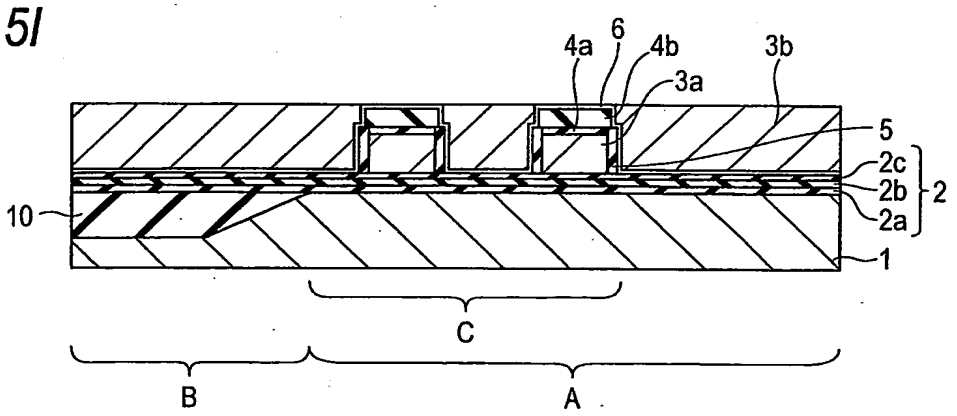

FIG. 6J

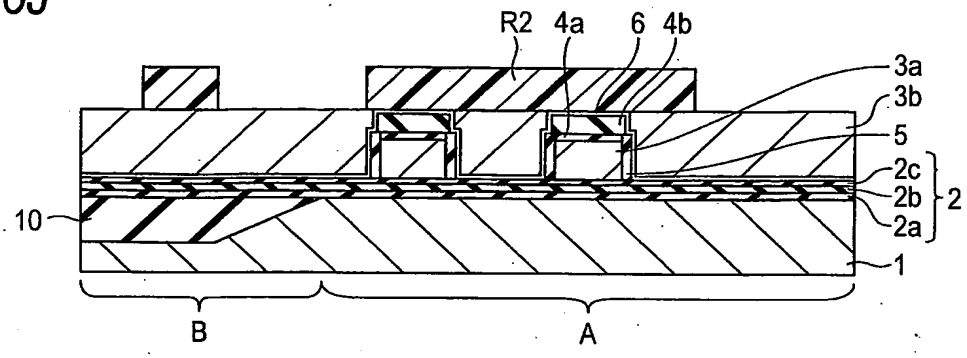

FIG. 6K

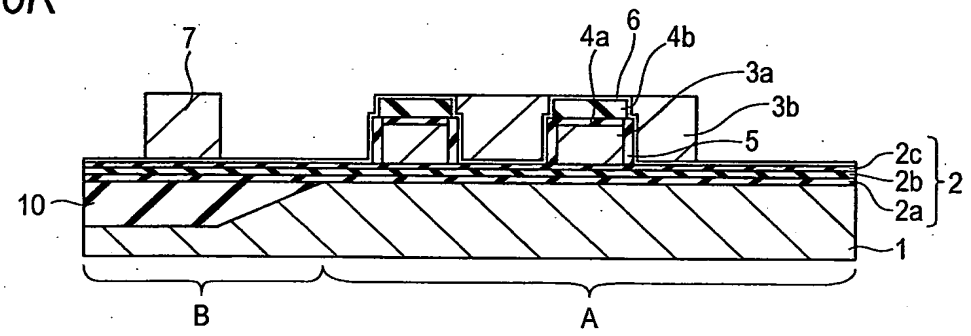

FIG. 6L

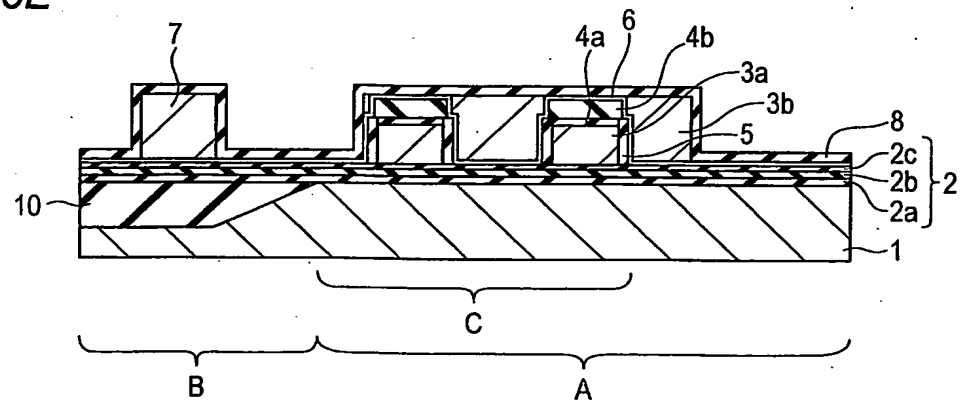

FIG. 7

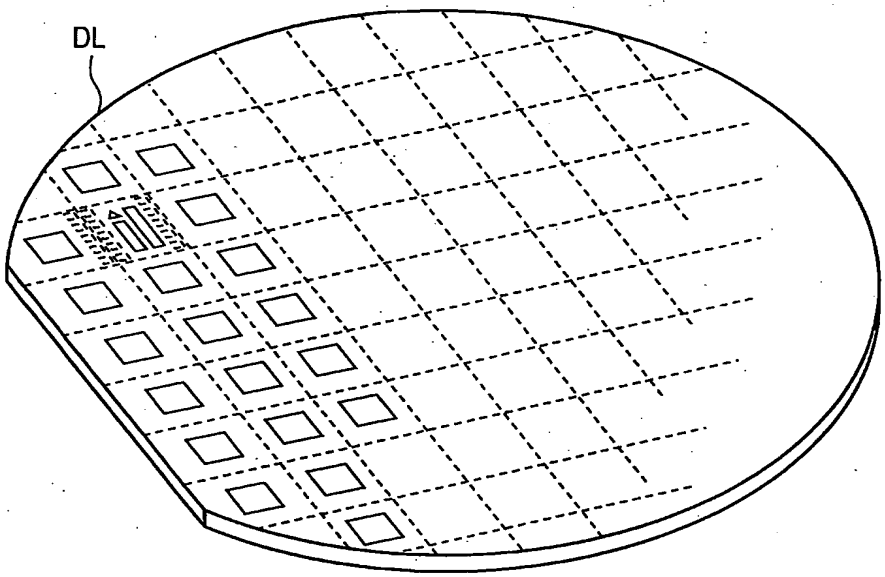

FIG. 8

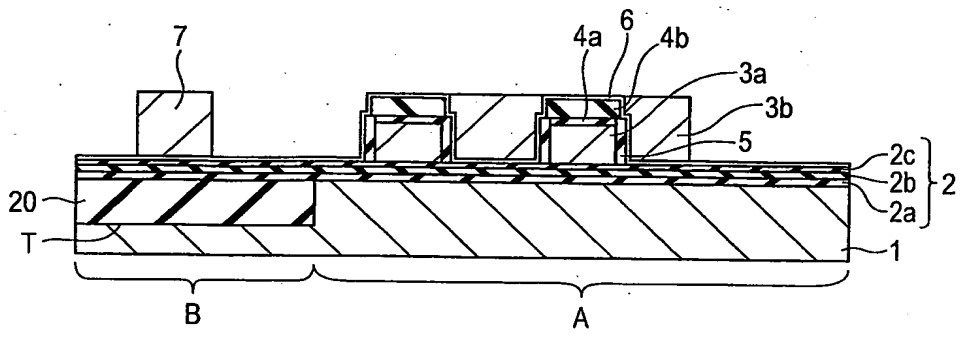

FIG. 9

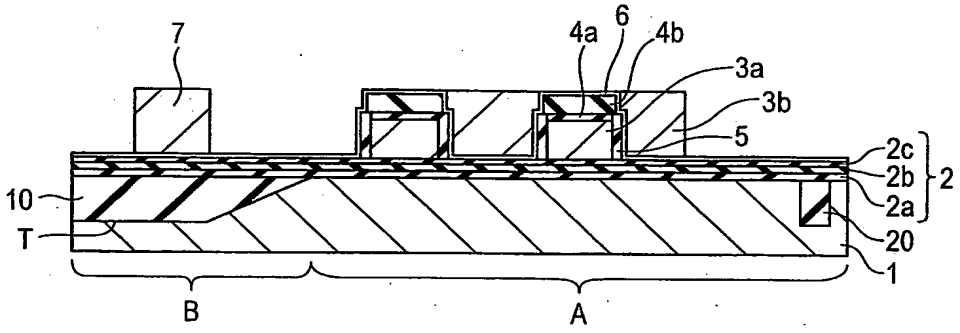

FIG. 10A

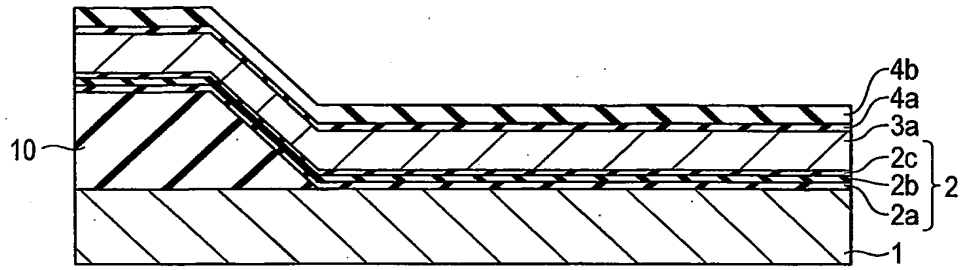

FIG. 10B

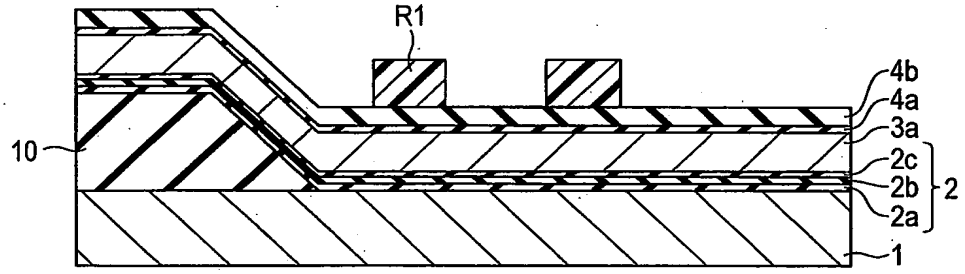

FIG. 10C

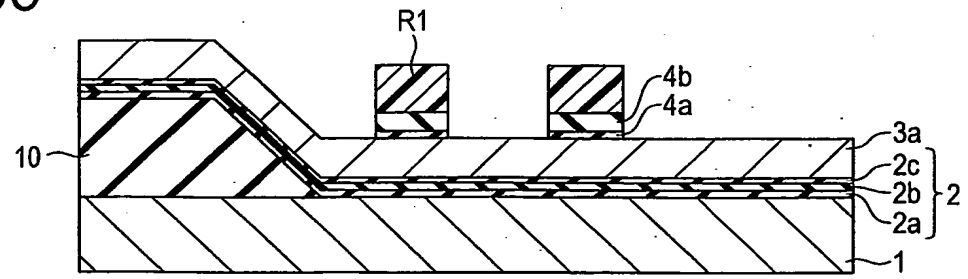

FIG. 11D

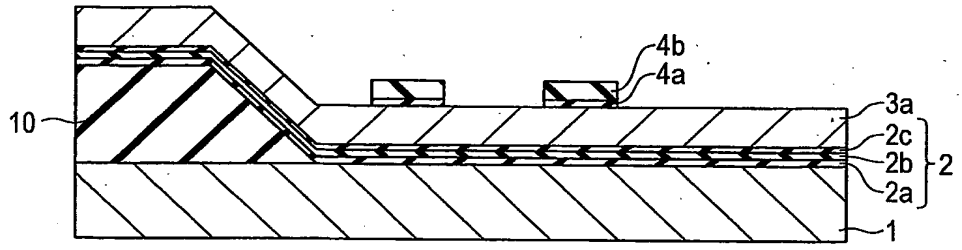

FIG. 11E

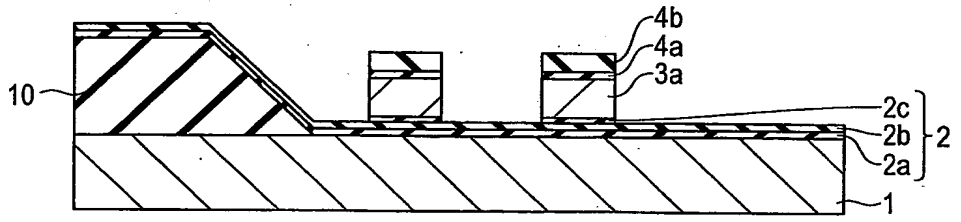

FIG. 11F

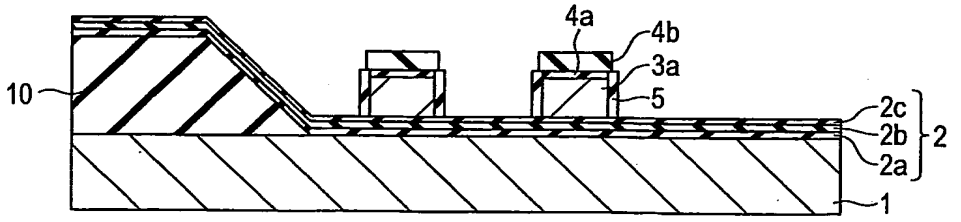

FIG. 12G

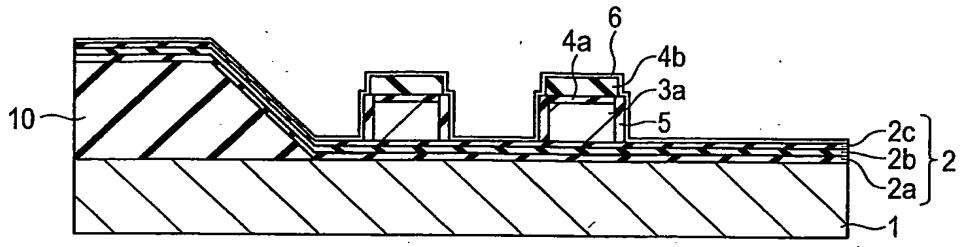

FIG. 12H

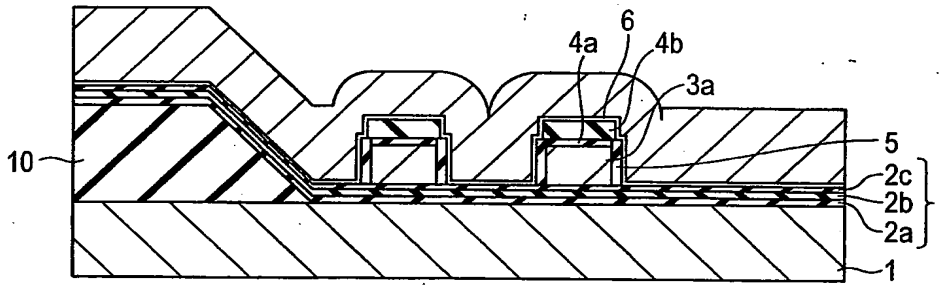

FIG. 12I